

## EAST Search History

| Ref # | Hits | Search Query   | DBs                            | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--------------------------------|------------------|---------|------------------|
| L1    | 840  | (multiplexer\$1 or selector\$1) with (normal and scan)   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR               | ON      | 2007/11/19 10:09 |
| L2    | 179  | L1 and (scan near clock\$1)  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR               | ON      | 2007/11/19 10:09 |
| L3    | 124  | L2 and "714"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR               | ON      | 2007/11/19 10:09 |
| L4    | 105  | L3 and (@pd<"20030320" or @ad<"20030320" or @prad<"20030320" or @rlad<"20030320")  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR               | ON      | 2007/11/19 10:09 |
| L5    | 2    | (nck sck) with (selector or multiplex\$3 or switch\$3)   | US-PGPUB;<br>USPAT;<br>IBM_TDB | AND              | ON      | 2007/11/19 10:09 |
| L6    | 5    | (clock near circuit) with ((normal near operation) and (scan near operation))  | US-PGPUB;<br>USPAT;<br>IBM_TDB | AND              | ON      | 2007/11/19 10:09 |
| L7    | 4    | L6 and (@pd<"20030320" or @ad<"20030320" or @prad<"20030320" or @rlad<"20030320")  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR               | ON      | 2007/11/19 10:09 |
| L9    | 25   | (scan near clock\$1) with (select\$3 or multiplex\$3 or switch\$3) with ((normal near4 clock\$1 ) and (scan near4 clock\$1)) | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR               | ON      | 2007/11/19 10:09 |
| L10   | 20   | L9 and (@pd<"20030320" or @ad<"20030320" or @prad<"20030320" or @rlad<"20030320")  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR               | ON      | 2007/11/19 10:09 |
| L16   | 501  | (power voltage adj supply) with ((wir\$3 with (wid\$2 great\$2)) and (resist\$4 with low\$2))                                | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR               | ON      | 2007/11/19 10:09 |
| L17   | 373  | L16 and (@pd<"20030320" or @ad<"20030320" or @prad<"20030320" or @rlad<"20030320")   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR               | ON      | 2007/11/19 10:09 |
| L18   | 372  | L17 and ((reduc\$3 minimiz\$3 low\$5 decreas\$3) with power)   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR               | ON      | 2007/11/19 10:09 |
| L19   | 93   | L18 and ((power voltage) with driver )   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR               | ON      | 2007/11/19 10:09 |

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|     |       |  |                                |    |    |                  |
|-----|-------|--|--------------------------------|----|----|------------------|
| L21 | 35    | (voltage near6 driver) with (low\$3 near5 voltage with (clock near3 circuit))      | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2007/11/19 10:09 |
| L22 | 31    | L21 and (@pd<"20030320" or @ad<"20030320" or @prad<"20030320" or @rlad<"20030320") | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2007/11/19 10:09 |
| L24 | 52791 | "714"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2007/11/19 10:09 |
| L27 | 7380  | ((system normal operation\$3) near15 clock) and (scan near15 clock)                | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2007/11/19 10:09 |
| L28 | 629   | L27 and ((plurality multiple many several) near4 (flip\$1 near1 flop))             | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2007/11/19 10:09 |
| L29 | 487   | L28 and (@pd<"20030320" or @ad<"20030320" or @prad<"20030320" or @rlad<"20030320") | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2007/11/19 10:09 |
| L30 | 227   | L29 and "714"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2007/11/19 10:09 |
| L31 | 827   | ((((system normal operation\$3) near15 clock) and (scan near15 clock)).clm.        | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2007/11/19 10:09 |
| L32 | 54    | L31 and ((plurality multiple many several) near4 (flip\$1 near1 flop)).clm.        | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2007/11/19 10:09 |
| L33 | 120   | L31 and ((plurality multiple many several) near4 (flip\$1 near1 flop))             | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2007/11/19 10:09 |
| L34 | 40    | L32 and (@pd<"20030320" or @ad<"20030320" or @prad<"20030320" or @rlad<"20030320") | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2007/11/19 10:09 |
| S1  | 762   | (multiplexer\$1 or selector\$1) with (normal and scan)                             | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2006/12/05 14:32 |
| S2  | 159   | S1 and (scan near clock\$1)  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2007/06/06 17:07 |
| S3  | 109   | S2 and "714"/\$.ccls.  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2006/12/05 14:32 |

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|     |      |  |                                |    |    |                  |
|-----|------|--|--------------------------------|----|----|------------------|
| S4  | 96   | S3 and (@pd<"20030320" or @ad<"20030320" or @prad<"20030320" or @rlad<"20030320")  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2007/06/06 17:29 |
| S11 | 22   | (scan near clock\$1) with (select\$3 or multiplex\$3 or switch\$3) with ((normal near4 clock\$1 ) and (scan near4 clock\$1)) | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2006/12/05 15:46 |
| S12 | 19   | S11 and (@pd<"20030320" or @ad<"20030320" or @prad<"20030320" or @rlad<"20030320")   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2006/12/05 16:19 |
| S18 | 424  | (power voltage adj supply) with ((wir\$3 with (wid\$2 great\$2)) and (resist\$4 with low\$2))                                | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2006/12/06 10:00 |
| S19 | 353  | S18 and (@pd<"20030320" or @ad<"20030320" or @prad<"20030320" or @rlad<"20030320")   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2006/12/06 12:35 |
| S20 | 352  | S19 and ((reduc\$3 minimiz\$3 low\$5 decreas\$3) with power)   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2006/12/06 10:05 |
| S21 | 89   | S20 and ((power voltage) with driver )   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2006/12/06 12:29 |
| S23 | 35   | (voltage near6 driver) with (low\$3 near5 voltage with (clock near3 circuit))  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2006/12/06 12:35 |
| S24 | 31   | S23 and (@pd<"20030320" or @ad<"20030320" or @prad<"20030320" or @rlad<"20030320")   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2006/12/06 13:35 |
| S29 | 7093 | ((system normal operation\$3) near15 clock) and (scan near15 clock)  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2007/06/06 17:29 |
| S30 | 596  | S29 and ((plurality multiple many several) near4 (flip\$1 near1 flop))   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2007/06/06 17:30 |
| S31 | 482  | S30 and (@pd<"20030320" or @ad<"20030320" or @prad<"20030320" or @rlad<"20030320")   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2007/06/06 17:30 |
| S32 | 218  | S31 and "714"/\$.ccls.   | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2007/06/06 17:29 |
| S33 | 776  | ((((system normal operation\$3) near15 clock) and (scan near15 clock)).clm.  | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2007/06/06 17:29 |

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|     |     |   |                                |    |    |                  |
|-----|-----|---|--------------------------------|----|----|------------------|
| S34 | 108 | S33 and ((plurality multiple many several) near4 (flip\$1 near1 flop))                      | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2007/06/06 17:30 |
| S35 | 46  | S33 and ((plurality multiple many several) near4 (flip\$1 near1 flop)).<br>clm.             | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2007/06/06 17:30 |
| S36 | 38  | S35 and (@pd<"20030320" or<br>@ad<"20030320" or<br>@prad<"20030320" or<br>@rlad<"20030320") | US-PGPUB;<br>USPAT;<br>IBM_TDB | OR | ON | 2007/06/06 17:30 |